



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010433
CERTIFICATION DATE: December 11, 2013
DATE RECERTIFICATION DUE: June 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

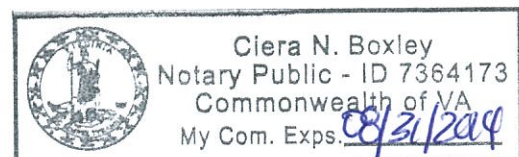
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of
December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



not

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/13/2013

Handwritten initials
TLN

Instrument Serial Number:	010433	As of 13-Dec-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
11-Dec-13	11-Dec-13	HMS (18910)	REPLACED PRINTER RIBBON, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
05-Jul-13	05-Jul-13	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD
26-Apr-13	15-Jan-13	HMS (18910)	REPLACED KEYBOARD.
15-Jan-13	15-Jan-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Jul-12	26-Jul-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
28-Feb-12	28-Feb-12	DBH (21250)	CERTIFIED
30-Dec-11	30-Dec-11	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
02-Sep-11	02-Sep-11	HMS (18910)	REPLACED PRINTER RIBBON, REPLACED DRY GAS STANDARD, CERTIFIED
29-Jul-11	22-Mar-11	SED (24178)	REPLACED DRY GAS STANDARD.
22-Mar-11	22-Mar-11	HMS (18910)	CERTIFIED
07-Mar-11	05-Oct-10	DBH (21250)	REPLACED DRY GAS STANDARD
07-Feb-11	05-Oct-10	HMS (18910)	RESET PRINTER.
05-Oct-10	05-Oct-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Apr-10	30-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
25-Mar-10	03-Nov-09	HMS (18910)	REPLACED DRY GAS STANDARD.
03-Nov-09	03-Nov-09	HMS (18910)	CERTIFIED
23-Sep-09	02-Jun-09	NMJ (22392)	REPLACED DRY GAS STANDARD
02-Jun-09	02-Jun-09	HMS (18910)	CERTIFIED.
12-May-09	12-May-09	DBH (21250)	CERTIFIED.
11-May-09	11-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
01-May-09	01-May-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
24-Feb-09	24-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II Quality Assurance Worksheet

Handwritten:
TEN
12-26-13

Instrument Serial Number **010433** Worksheet Start Date **12/11/2013**
 Location **Lynchburg Police Department**
 Address **907 Clay St., Lynchburg, VA 24504**
 DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **749** Reference Barometer (mm HG) **753**
 Reference Barometer(RB)Serial # **009113** RB Calibration Due **5/8/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.299
0.300	0.295	0.286	0.303	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.299
0		0.299	0.299		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.098	0.095	0.101	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) **AG227501-19**

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Replaced printer ribbon. Firmware/software upgrade.

Instrument Serial Number

010433

Certification Date

12/11/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.246	0.238	0.253	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.245
0.001		0.245	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.148	0.143	0.152	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

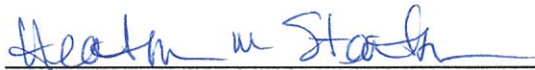
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section


DFS Technician



Date

12/13/13

Issuing Analyst



Date

12/16/13

msk

HLB
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010433 Test Number: 2815

Test Date: 12/11/2013 Test Time: 10:22 EST

Dry Gas Target: 0.296

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 473 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:23
CHK	0.294	10:23
BLK	0.000	10:25
CHK	0.293	10:26
BLK	0.000	10:27
CHK	0.293	10:28

Test Status: *Success*

Calibration CRC: 547DDDA4

HMS
TLV

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010433 Test Number: 2816

Test Date: 12/11/2013 Test Time: 10:31 EST

Dry Gas Target: 0.099

Lot Number: AG316301-15 Exp Date: 06/12/2015

Tank Pressure: 571 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:32
CHK	0.097	10:32
BLK	0.000	10:34 -
CHK	0.097	10:35
BLK	0.000	10:36
CHK	0.097	10:37

Test Status: *Success*

Calibration CRC: 547DDDA4

HWS
TLN



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	12/11/2013
TEST EQUIPMENT NUMBER		
010433		

RESULTS: TIME SAMPLE TAKEN 10:45 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 11 Dec 2013 at 10:52

Handwritten initials and signature.

Test Results

Instrument Serial Number 010433

Test # 002817 Subject Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 10:39
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 10:46

Result Time 10:45

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:39

Data Type BLK

Sample Value 0.000

Sample Time 10:40

Data Type CHK

Sample Value 0.096

Sample Time 10:40

Data Type BLK

Sample Value 0.000

Sample Time 10:42

Data Type SUBJ

Sample Value 0.000

Sample Time 10:43

Data Type BLK

Sample Value 0.000

Sample Time 10:43

Data Type SUBJ

Sample Value 0.000

Sample Time 10:45

Data Type BLK

Sample Value 0.000

Sample Time 10:46

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG316301-15

Standard Expiration Date 06/12/2015

Tank Pressure 561

Barometric Pressure 749 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1769 cc End-of-Blow Time 10:43

Blow Sample Number 2 Blow Duration 3.48 sec

Blow Volume 1784 cc End-of-Blow Time 10:45

Tamper Evident Stamp 66771e53

Test Status Code 0

Test Status Success

~~AMS~~
TLN

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010433

System Date: 12/11/2013

System Time: 11:08 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HLN
TLN

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010433 Test Number: 2818

Test Date: 12/11/2013 Test Time: 11:11 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 541 psi Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:11
CAL	0.099	11:12

Test Status: *Success*

Calibration CRC: 03F5CF07

AMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010433 Test Number: 2819
Test Date: 12/11/2013 Test Time: 11:15 EST

Technician Initials: HMS

Dry Gas Target: 0.246

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 174 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:16
BLK	0.000	11:16
CHK	0.246	11:17
BLK	0.000	11:19
CHK	0.246	11:19
BLK	0.000	11:21
CHK	0.245	11:22
BLK	0.000	11:23

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010433 Test Number: 2820
Test Date: 12/11/2013 Test Time: 11:25 EST

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 556 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:25
BLK	0.000	11:26
CHK	0.148	11:27
BLK	0.000	11:28
CHK	0.148	11:29
BLK	0.000	11:30
CHK	0.148	11:31
BLK	0.000	11:32

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010433 Test Number: 2821
Test Date: 12/11/2013 Test Time: 11:34 EST

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 07713080I2-04 Exp Date: 05/01/2015

Tank Pressure: 669 psi Barometric Pressure: 748 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:34
BLK	0.000	11:35
CHK	0.079	11:36
BLK	0.000	11:37
CHK	0.079	11:38
BLK	0.000	11:39
CHK	0.079	11:40
BLK	0.000	11:41

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010433 Test Number: 2822
Test Date: 12/11/2013 Test Time: 11:43 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 767 psi Barometric Pressure: 748 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:43
BLK	0.000	11:44
CHK	0.019	11:44
BLK	0.000	11:46
CHK	0.019	11:46
BLK	0.000	11:48
CHK	0.019	11:48
BLK	0.000	11:50

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials/signature and "TLN" below it.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010433 Test Number: 2823

Test Date: 12/11/2013 Test Time: 11:52 EST

Dry Gas Target: 0.295

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 463 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:52
CHK	0.299	11:53
BLK	0.000	11:55
CHK	0.299	11:56
BLK	0.000	11:57
CHK	0.299	11:58

Test Status: *Success*

Calibration CRC: 03F5CF07

AMS
TKN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010433 Test Number: 2824

Test Date: 12/11/2013 Test Time: 12:00 EST

Dry Gas Target: 0.098

Lot Number: AG227501-19 Exp Date: 10/01/2014

Tank Pressure: 718 psi Barometric Pressure: 747 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:01
CHK	0.099	12:02
BLK	0.000	12:03
CHK	0.099	12:04
BLK	0.000	12:05
CHK	0.099	12:06

Test Status: *Success*

Calibration CRC: 03F5CF07

Handwritten initials: HNS, TUN



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/11/2013
TEST EQUIPMENT NUMBER 010433		

RESULTS: TIME SAMPLE TAKEN 12:15 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Dec 2013 at 09:03

HLIS
TLN

Test Results

Instrument Serial Number 010433

Test # 002825 Subject Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 12:08
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 12:16

Result Time 12:15

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:09

Data Type BLK

Sample Value 0.000

Sample Time 12:10

Data Type CHK

Sample Value 0.099

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:12

Data Type SUBJ

Sample Value 0.000

Sample Time 12:12

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Data Type SUBJ

Sample Value 0.000

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:16

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG227501-19

Standard Expiration Date 10/01/2014

Tank Pressure 708

Barometric Pressure 747 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1737 cc End-of-Blow Time 12:12

Blow Sample Number 2 Blow Duration 3.51 sec

Blow Volume 1752 cc End-of-Blow Time 12:15

Tamper Evident Stamp bd3c8277

Test Status Code 0

Test Status Success